## **EAST Search History**

## EAST Search History (Prior Art)

| Ref# | Hits | Search Query  | DBs   | Default<br>Operator | Plurals | Time Stamp          |
|------|------|---|---|---------------------|---------|---------------------|
| L15  | 499  | ((yumiko near4 kato)<br>(takahiro near4 kamai)<br>(hideyuki near4<br>yoshida) (yoshifumi<br>near4 hirose)).in.  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | OFF     | 2009/08/13<br>20:23 |
| L16  | 52   | ((yumiko near4 kato)<br>(takahiro near4 kamai)<br>(hideyuki near4<br>yoshida) (yoshifumi<br>near4 hirose)).in. and<br>"704".clas.   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | OFF     | 2009/08/13<br>20:23 |
| L17  | 570  | (((two adj4 way "two-<br>way" near7 broadcast<br>\$4 adj4 receiv\$4 adj4<br>method and apparatus<br>and system and<br>recording adj4 medium<br>and program) and<br>(speech adj4 recogn<br>\$4)) | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | OFF     | 2009/08/13<br>20:23 |
| L18  | 1    | ((yumiko near4 kato)<br>(takahiro near4 kamai)<br>(hideyuki near4<br>yoshida) (yoshifumi<br>near4 hirose)).in. and<br>"704".clas. and L17   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | OFF     | 2009/08/13<br>20:23 |
| L19  | 1    | ((yumiko near4 kato)<br>(takahiro near4 kamai)<br>(hideyuki near4<br>yoshida) (yoshifumi<br>near4 hirose)).in. and<br>704/275.cds.  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | OFF     | 2009/08/13<br>20:23 |

| æ          | O   | [((two adj4 way "two-<br>way" near? broadcast<br>\$4 adj4 receiv\$4 adj4<br>method and apparatus<br>and system and<br>recording adj4 medium<br>and program) near?<br>(shopping adj4<br>assitant)) with (speech<br>voice speaker adj4<br>(recogn\$5) | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPC; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2009/08/12<br>20:16 |
|------------|-----|---|---|----|-----|---------------------|
| S7         | 19  | ((shopping adj4<br>assistant)) with<br>(speech voice speaker<br>adj4 recogn\$5)   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2009/08/12<br>20:17 |
| <b>S</b> 8 | 569 | ((two adj4 way "two-<br>way" near7 broadcast<br>\$4 adj4 receiv\$4 adj4<br>method and apparatus<br>and system and<br>recording adj4 medium<br>and program) and<br>(speech adj4 recogn<br>\$4))  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPC; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2009/08/12<br>20:18 |
| S9         | 34  | ((two adj4 way "two-<br>way" near7 broadcast<br>\$4 adj4 receiv\$4 adj4<br>method and apparatus<br>and system and<br>recording adj4 medium<br>and program) same<br>(speech adj4 recogn<br>\$4))   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2009/08/12<br>20:18 |
| S11        | 123 | (broadcast\$4 adj4<br>program) same (buy\$7<br>selling\$4 near7 speech<br>adj4 recogn\$7)   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2009/08/12<br>20:25 |
| S12        | 3   | ((broadcast\$4 adj4<br>program) same (buy\$7<br>selling\$4 near7 speech<br>adj4 recogn\$7)) and<br>"704".clas.  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2009/08/12<br>20:25 |
| S13        | 3   | ("5539635"  <br>"5949492"  <br>"5991737").PN. OR<br>("7257536").URPN.   | US-PGPUB;<br>USPAT; USOOR   | OR | OFF | 2009/08/12<br>20:26 |

| S19 | 7    | "n-gram" and "time position"   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2009/08/13<br>11:03 |
|-----|------|--|---|----|-----|---------------------|
| S20 | 5    | voice near4 goods<br>near4 information<br>near4 (speech adj4<br>recogni\$4)  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2009/08/13<br>11:06 |
| S23 | 2    | (remote adj4 control<br>\$4) and (voice speech<br>adj4 recogn\$7) and<br>(goods adj4 services<br>adj7 buying and<br>selling) and (tv<br>television broadcast\$4) | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2009/08/13<br>11:13 |
| S26 | 4445 | (remote adj4 control<br>\$4) near7 (voice<br>speech adj4 recogn\$7)  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2009/08/13<br>11:14 |
| S27 | 138  | \$26 and 704/275.cds.  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2009/08/13<br>11:15 |
| S28 | 64   | S27 and (tv television<br>adj4 broadcast\$5)   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2009/08/13<br>11:15 |
| S29 | 59   | S27 and (tv television<br>adj4 broadcast\$5<br>same purchas\$4)  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2009/08/13<br>11:15 |
| S30 | 2    | "7324947".pn.  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2009/08/13<br>11:16 |

| 32 | 5679 | "in-word" ad4 class<br>adj4 frequency   | US-PGPUB;<br>USPAT; USOCR  | OR                                      | OFF | 2009/08/13<br>11:27 |
|----|------|---|--|---|-----|---------------------|
|    |      | "6728531"  <br>"6799201"  <br>"6892083"  <br>"7027987"  <br>"7113981").PN. OR | ***************************************  | *************************************** |     |                     |
|    |      | "6714632"  <br>"6721633"  <br>"6725022"                                       | ***************************************  |   |     |                     |
|    |      | "6658414"  <br>"6711543"  |  | •                                       |     |                     |
|    |      | "6381316"  <br>"6415257"  |  |   |     | ***                 |
|    |      | "6374177"   | ***************************************  |   |     | ***                 |
|    |      | "6320947"  <br>"6327566"  | -  | *************************************** |     |                     |
|    |      | "6144938"   | moreone  | *                                       |     |                     |
|    |      | "6130726"   | -  |   |     |                     |
|    |      | "5983190"  <br>"6078886"  | -  |   |     |                     |
|    |      | "5933139"   | -  | ***                                     |     |                     |
|    |      | "5832439"   | · ·  | -                                       |     |                     |
|    |      | "5689618"  <br>"5774859"  | ***************************************  |   |     |                     |
|    |      | "5566271"   | -  |   |     |                     |
|    |      | "20060206339"   | · ·  |   |     |                     |
|    |      | "20060085521"  <br>"20060206339"  | -  |   |     |                     |
|    |      | "20060050686"   | -  |   |     |                     |
|    |      | "20060018440"   | unimenta de la constante de la |   |     |                     |
|    |      | "20050144251  | -  |   |     |                     |
|    |      | "20050143139"  <br>"20050144251"  | -  |   |     |                     |
|    |      | "20040132433"   | ***************************************  |   |     |                     |
|    |      | "20040110472  |  |   |     |                     |
|    |      | "20040077334"  <br>"20040110472"  | ***************************************  |   |     |                     |
|    |      | "20030073434"   |  |   |     |                     |
|    |      | "20030068154"   | ***  |   |     |                     |
|    |      | "20030065427"   |  |   |     |                     |
|    |      | "20030028380"  <br>"20030033152"  |  |   |     |                     |
|    |      | "20020146015"   |  |   |     |                     |
|    |      | "20020106065"   |  |   |     |                     |
|    |      | "20020015480"  <br>"20020049535"  | USPAT; USOCR   |   |     | 11:21               |

| S33 | 2   | S32 and 704/275.cds.  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2009/08/13<br>11:28 |
|-----|-----|---|---|----|-----|---------------------|
| S39 | 6   | (voice speech adj4<br>recogni\$4 adj4<br>vocabulary) and<br>(shopping adj4<br>assistant adj4 system)  | US-PGPUB;<br>USPAT;<br>USOCR; FPPS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2009/08/13<br>11:34 |
| S45 | 677 | ["2001001160"   "20010029610"   "20010042246"   "20010042246"   "20010042246"   "20010049820"   "200100541811"   "20020042913"   "20020042913"   "20020039602"   "20020039602"   "200200390217"   "20020124249"   "200201242249"   "200201242249"   "200301638313"   "200301638313"   "20030164858"   "20030164858"   "20030164858"   "20030168311"   "20030196203"   "20030196203"   "20030196203"   "20030196203"   "20030196203"   "20030196203"   "20030196203"   "20030196203"   "20030196203"   "20030196203"   "20030208756"   "20030208756"   "20030208756"   "20040194131"   "20040194131"   "20050155056"   "20050155056"   "200502041388"   "20050216936"   "20050229214"   "20050229214"   "20050229214"   "20050229214"   "20050224376"   "30440427" | US-PGPUB;<br>USPAT; USOCR   | OR | OFF | 2009/08/13 12:29    |

|   | "3492577"               |   | ******   |   |       |
|---|-------------------------|---|----------|---|-------|
|   | "3493674"               |   |          |   |       |
|   | "3729581"               |   |          |   |       |
|   | "3833757" İ             |   |          |   |       |
|   | "3891792"               |   |          |   |       |
|   | "3936868"               |   |          |   |       |
|   | "3996583" I             |   |          |   |       |
|   | "4004085"               |   |          |   |       |
|   | "4016361" I             |   |          |   |       |
| ļ | "4026555" I             |   |          |   | -     |
|   | "4031548"               |   |          |   | 1     |
|   |                         |   | -        |   | -     |
|   | "4052719"               |   |          |   | *     |
|   | "4058830"               |   | ***      |   |       |
|   | "4079419"               |   |          |   | -     |
|   | "4081753"               |   |          |   | ***   |
|   | "4081754"               |   |          |   | ***   |
|   | "4096524"               |   |          |   | ****  |
| • | "4134127"               |   |          |   | ***   |
|   | "4139860"               |   |          |   | 1     |
|   | "4150254"               |   |          |   |       |
|   | "4156850"               |   |          |   | ***   |
| 1 | "4161728"               |   |          |   | ****  |
|   | "4162513"               |   |          |   | -     |
|   | "4170782"               |   |          |   | ****  |
|   | "4186413" İ             |   |          |   | -     |
|   | "4203130"               |   | -        |   | -     |
|   | "4205343"               |   |          |   |       |
|   | "4218698"               |   | -        |   | -     |
|   | "4228543"               |   | -        |   | -     |
|   | "4231031"               |   |          |   | ***   |
|   | "4233628" I             |   |          |   | -     |
|   | "4249211"               |   | *        |   | *     |
|   | "4249213"               |   |          |   |       |
|   | "4261006" I             |   |          |   |       |
|   | "4261006  <br>"4264924" |   | ì        |   | ***   |
|   |                         |   |          |   | ***   |
|   | "4264925"               |   |          |   | ***   |
| • | "4270145"               |   |          |   | ***   |
|   | "4276597"               |   |          |   |       |
|   | "4283787"               |   |          |   | ****  |
|   | "4288809"               |   |          |   | -     |
|   | "4290142"               |   |          |   | ***   |
|   | "4305101"               |   |          |   | -     |
|   | "4329684"               |   |          |   | -     |
|   | "4331974"               |   |          |   |       |
|   | ["4337480 <b>"</b>      |   |          |   |       |
|   | "4337483"               |   |          |   |       |
|   | "4344090"               |   |          |   | ***   |
|   | "4381522"               |   |          |   |       |
|   | "4388645" İ             |   |          |   |       |
|   | "4390901"               |   |          |   | ***** |
| 1 | "4393376" I             |   |          |   | ***   |
|   | "4405946"               |   |          |   |       |
|   | "4412244"               |   |          |   |       |
|   | "4413281"               | *************************************** |          |   |       |
|   | [ 4410501 ]             | 1                                       | <b>§</b> | 1 |       |

| "4420769"         | 1   | 1 1 |  |
|-------------------|-----|-----|--|
| "4425579"         |     |     |  |
| "4425581"         |     |     |  |
| "4429385"         |     |     |  |
| "4439784"         |     |     |  |
|                   |     |     |  |
| "4449249"         |     |     |  |
| "4456925"         |     |     |  |
| "4466017"         |     |     |  |
| "4477830"         |     |     |  |
| "4488179"         |     |     |  |
| "4495654" i       |     |     |  |
| "4496171"         |     |     |  |
| "4496976"         |     |     |  |
| "4510623"         |     |     |  |
| "4520404"         |     |     |  |
|                   |     |     |  |
| "4523228").PN. OR |     |     |  |
| ("4531020"        |     |     |  |
| "4533910"         |     |     |  |
| "4536791"         |     |     |  |
| "4547804"         |     |     |  |
| "4554584" İ       |     |     |  |
| "4555775" i       |     |     |  |
| "4566034"         |     |     |  |
| "4573072"         |     |     |  |
| "4587520"         |     |     |  |
|                   |     |     |  |
| "4595951"         | -   |     |  |
| "4595952"         |     |     |  |
| "4598288"         |     |     |  |
| "4602279"         |     |     |  |
| "4605964"         | i i |     |  |
| "4605973"         |     |     |  |
| "4620229"         |     |     |  |
| "4622545" İ       |     |     |  |
| "4635109"         |     |     |  |
| "4635121"         |     |     |  |
| "4641205"         | -   |     |  |
| "4677466" I       |     |     |  |
| "4685131"         |     |     |  |
|                   |     |     |  |
| "4689022"         |     |     |  |
| "4691351"         |     |     |  |
| "4694490"         |     |     |  |
| "4701794"         |     |     |  |
| "4704725"         |     |     |  |
| "4706121"         |     |     |  |
| "4712105"         |     |     |  |
| "4718107" I       |     |     |  |
| "4745549"         |     |     |  |
| "4748618" I       |     |     |  |
|                   |     |     |  |
| "4750036"         |     |     |  |
| "4750213"         |     |     |  |
| "4751578"         |     |     |  |
| "4754326"         |     |     |  |
| "4768228"         |     |     |  |
|                   | *   | 1 1 |  |
| "4772882"         |     |     |  |

| i | "4775935"   |   | ****   |   | ***  |
|---|-------------|---|--------|---|------|
|   | "4785408"   |   | ****   |   |      |
|   | "4787063" I |   |        |   |      |
|   | "4812834" I |   |        |   |      |
|   | "4814883"   |   |        |   |      |
| • |             |   |        |   |      |
|   | "4821102"   |   |        |   |      |
|   | "4821211"   |   |        |   |      |
|   | "4829558"   |   |        |   |      |
|   | "4847604"   |   |        |   |      |
|   | "4847700"   |   |        |   |      |
|   | "4857999"   |   |        |   | 1    |
| 1 | "4862268"   |   |        |   |      |
| • | "4864429"   |   |        |   | 1    |
|   | "4873623"   |   |        |   |      |
| - | "4882732"   |   |        |   | 1    |
|   | "4884223"   |   |        |   |      |
|   | "4888796" I |   |        |   | l l  |
|   | "4890320"   |   | ****** |   | **** |
|   | "4890321" I |   | ****** |   | ***  |
|   | "4894789" I |   | *****  |   | -    |
|   | "4899136" I |   | *****  |   | -    |
|   |             |   |        |   | 1    |
|   | "4905094"   |   |        |   | i i  |
|   | "4908707"   |   |        |   | 1    |
|   | "4908713"   |   |        |   |      |
|   | "4908859"   |   |        |   | 1    |
|   | "4914517"   |   |        |   | 1    |
|   | "4914732"   |   |        |   | 1    |
|   | "4930158"   |   |        |   |      |
|   | "4930160"   |   |        |   | 1    |
|   | "4931783"   |   |        |   | 1    |
|   | "4935865"   |   |        |   |      |
|   | "4937821"   |   |        |   |      |
|   | "4937863"   |   |        |   | -    |
|   | "4939507" i |   |        |   |      |
|   | "4959720" I |   |        |   | 1    |
|   | "4963994"   |   |        |   | i i  |
|   | "4977455" I |   |        |   | 1    |
|   | "4987486" I |   |        |   |      |
|   | "4991011" I |   |        |   | 1    |
|   | "4991012" I |   |        |   |      |
|   | "4992940" I |   |        |   |      |
|   |             |   |        |   |      |
|   | "4995078"   |   |        |   |      |
|   | "4996642"   |   |        |   |      |
|   | "4998171"   |   |        |   |      |
| • | "5008853"   |   | ****** |   | ***  |
|   | "5014125"   |   | *****  |   |      |
|   | "5027400"   |   | *****  |   | ***  |
|   | "5036314"   |   | *****  |   |      |
|   | "5038211"   |   | *****  |   | ***  |
|   | "5045947"   |   | ****** |   | ***  |
| 1 | "5047867"   |   | *****  |   | ***  |
|   | "5058160"   |   | *****  |   |      |
|   | "5062060"   |   | *****  |   | ***  |
|   | "5068734" I |   | ****   |   |      |
| 1 | { 5000734   | 1 | §      | 1 |      |

| "5072412"         |     |   |   |  |
|-------------------|-----|---|---|--|
| "5083800" i       |     |   |   |  |
| "5091785"         |     |   |   |  |
| "5093921"         |     |   |   |  |
| "5099319"         |     |   |   |  |
| "5103314" I       |     |   |   |  |
| "510514"          |     |   |   |  |
| "5119188"         |     |   |   |  |
|                   |     |   |   |  |
| "5121476"         |     |   |   |  |
| "5123046"         |     |   |   |  |
| "5126851"         |     |   |   |  |
| "5148154"         |     |   |   |  |
| "5151782"         |     |   |   |  |
| "5151789"         |     |   |   |  |
| "5155591"         | *** |   |   |  |
| "5155806"         |     |   |   |  |
| "5157768"         |     |   |   |  |
| "5161023"         |     |   |   |  |
| "5162905"         | ĺ   |   |   |  |
| "5170388"         |     |   |   |  |
| "5172111"         |     |   |   |  |
| "5177604" I       |     |   |   |  |
| "5179654"         |     |   |   |  |
| "5195092"         |     |   |   |  |
| "5200823" I       |     |   |   |  |
|                   |     |   |   |  |
| "5204897"         | -   |   |   |  |
| "5206722"         | •   |   |   |  |
| "5210611"         |     |   |   |  |
| "5212553"         |     |   |   |  |
| "5214622"         | 1   |   |   |  |
| "5216515"         |     |   |   |  |
| "5220420"         | -   |   |   |  |
| "5223924").PN. OR | -   |   |   |  |
| ("5227874"        | 1   |   |   |  |
| "5231493"         |     |   |   |  |
| "5233423"         |     |   |   |  |
| "5233654"         | •   |   |   |  |
| "5235415"         |     |   |   |  |
| "5236199"         |     |   |   |  |
| "5237411"         |     |   |   |  |
| "5237417"         |     |   |   |  |
| "5237418" I       |     |   |   |  |
| "5239540" I       |     |   |   |  |
|                   |     |   |   |  |
| "5245420"         |     |   |   |  |
| "5247347"         | ĺ   |   |   |  |
| "5247364"         | 1   |   |   |  |
| "5247580"         | ĺ   |   |   |  |
| "5253066"         | 1   |   |   |  |
| "5253067"         |     |   |   |  |
| "5260778"         | ĺ   |   |   |  |
| "5260999"         |     |   |   |  |
| "5283639"         |     |   |   |  |
| "5283819"         |     |   |   |  |
| "5301028"         | §   | 1 | 1 |  |

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| "5485197"         |   |     |   |  |
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| "5485219"         |   |     |   |  |
| "5485221"         |   |     |   |  |
| "5488409" İ       |   |     |   |  |
| "5495295"         |   |     |   |  |
| "5502504"         |   |     |   |  |
| "5515098" I       |   |     |   |  |
| "5523794"         |   |     |   |  |
| "5523796"         |   | *   |   |  |
| "5524195" I       |   |     |   |  |
| "5526034"         |   |     |   |  |
| "5528304"         |   |     |   |  |
| "5532735"         |   |     |   |  |
| "5532754" I       |   |     |   |  |
| "5534911" I       |   |     |   |  |
| "5537141"         | *************************************** | *** |   |  |
|                   | *************************************** |     |   |  |
| "5539822"         |   | *** |   |  |
| "5541662"         |   |     |   |  |
| "5541738"         |   | *** |   |  |
| "5550576"         |   | *** |   |  |
| "5557338"         |   | *   |   |  |
| "5557721"         |   |     |   |  |
| "5559548"         |   |     |   |  |
| "5559549"         |   |     |   |  |
| "5559550"         |   |     |   |  |
| "5559942"         |   | ì   |   |  |
| "5561471"         |   | *** |   |  |
| "5570295"         |   |     |   |  |
| "5572442"         |   | -   |   |  |
| "5574962"         |   | •   |   |  |
| "5579055"         |   | 1   |   |  |
| "5581479"         |   | -   |   |  |
| "5582364"         |   |     |   |  |
| "5583560"         |   | *** |   |  |
| "5583563"         |   |     |   |  |
| "5585838"         |   |     |   |  |
| "5585865"         |   |     |   |  |
| "5585866"         |   | **  |   |  |
| "5589892"         |   | *** |   |  |
| "5592551"         |   | *   |   |  |
| "5594509"         |   |     |   |  |
| "5596373"         |   |     |   |  |
| "5600364"         |   | **  |   |  |
| "5600366"         |   |     |   |  |
| "5600573"         |   | *** |   |  |
| "5602582"         |   | *** |   |  |
| "5602596"         |   | *** |   |  |
| "5602597"         |   |     |   |  |
| "5602598"         |   | *** |   |  |
| "5606374").PN. OR |   | *   |   |  |
| ("5610653"        |   |     |   |  |
| "5617565"         |   | •   |   |  |
| "5619247"         |   |     |   |  |
| "5619249" I       |   | *** |   |  |
| ş 00.02.0         | \$                                      |     | 3 |  |

|   | "5619274"               |        |  | i     |
|---|-------------------------|--------|--|-------|
|   | "5621456"               |        |  |       |
|   | "5623613"               | i i    |  |       |
|   | "5627940"               |        |  |       |
|   | "5629733" j             |        |  | ***   |
|   | "5630119"               | i      |  | -     |
|   | "5631995" I             |        |  |       |
|   | "5633683" I             | i i    |  | ***   |
|   |                         |        |  | -     |
|   | "5635978"               |        |  | -     |
|   | "5635979"               |        |  | -     |
|   | "5635989"               |        |  | *     |
|   | "5636346"               |        |  | ***   |
|   | "5640501"               |        |  |       |
|   | "5640577"               |        |  | -     |
|   | "5642153"               | i      |  | ***   |
|   | "5648813"               |        |  | -     |
|   | "5648824"               | *****  |  | ***** |
|   | "5650826"               | *****  |  | ****  |
| 1 | "5650831"               | ****** |  |       |
|   | "5652613" I             |        |  | ***** |
|   | "5652615"               | i i    |  | ***   |
|   | "5654748" I             |        |  | *     |
|   |                         |        |  |       |
|   | "5654886"               |        |  | *     |
|   | "5657072"               |        |  | ***   |
|   | "5657091"               | 1      |  |       |
|   | "5659350"               |        |  | *     |
|   | "5659366"               | 1      |  | ***   |
|   | "5661516"               | 1      |  | ***   |
|   | "5661517"               |        |  | ****  |
|   | "5663757"               |        |  | *     |
|   | "5664111"               |        |  | *     |
|   | "5666293" I             |        |  | ****  |
|   | "5666498" j             | -      |  | ***   |
|   | "5666645"               |        |  |       |
|   | "5671276" I             |        |  | *     |
|   | "5671411"               |        |  | ****  |
|   | "5675390" I             |        |  | *     |
|   | "5675752" I             |        |  |       |
|   | "5677708" I             |        |  | ***   |
|   | "5682195" I             | l      |  | ***   |
|   |                         |        |  | *     |
|   | "5682206"               |        |  | ****  |
|   | "5687331"               |        |  | ***   |
|   | "5689648"               | l      |  | ****  |
|   | "5689666"               |        |  | -     |
|   | "5692214"               |        |  |       |
|   | "5694163"               |        |  |       |
|   | "5694176"               | l      |  | -     |
|   | "5694381"               | i      |  |       |
|   | "5696905" j             | ****** |  | -     |
|   | "5699107" I             | *****  |  |       |
|   | "5699125" I             | *****  |  | *     |
|   | "5708478"               |        |  | -     |
|   | "5710601"               | ****   |  |       |
| 1 | "5710801  <br>"5710815" |        |  | -     |
|   |                         |        |  |       |

| "5715314"   |   |     |   |     |  |
|-------------|---|-----|---|-----|--|
| "5715399"   |   |     | 1 |     |  |
| "5717452" İ |   |     |   |     |  |
| "5721829" İ |   |     |   |     |  |
| "5724521"   |   | i . |   |     |  |
| "5724525"   |   |     |   |     |  |
| "5727060" I |   |     |   |     |  |
|             |   | i   |   |     |  |
| "5727163"   |   | i   |   |     |  |
| "5731844"   |   |     |   |     |  |
| "5734444"   |   | i   |   |     |  |
| "5734853"   |   |     |   |     |  |
| "5734893"   |   | i   |   |     |  |
| "5737028" i |   |     |   |     |  |
| "5737030"   |   |     |   |     |  |
| "5740549"   | *****                                   |     |   |     |  |
| "5751282"   | -                                       |     |   |     |  |
| "5752159"   | *************************************** | *** |   |     |  |
|             |   | *** |   |     |  |
| "5754258"   |   |     |   |     |  |
| "5754771"   |   | *** |   |     |  |
| "5754939"   |   |     |   |     |  |
| "5757417"   |   |     |   |     |  |
| "5758257"   |   |     |   |     |  |
| "5758259"   |   |     |   |     |  |
| "5760821"   | -                                       |     | - |     |  |
| "5761372"   | -                                       |     |   |     |  |
| "5761601" i |   | 1   | 1 |     |  |
| "5768528"   |   |     |   |     |  |
| "5774170"   |   | *   |   |     |  |
| "5774534"   |   | 1   |   |     |  |
| "5774887"   | -                                       |     |   |     |  |
|             | -                                       |     | ļ | i i |  |
| "5778182"   |   | •   |   |     |  |
| "5781226"   | -                                       |     |   |     |  |
| "5781245"   | 1                                       | 1   |   |     |  |
| "5781246"   |   |     | ļ |     |  |
| "5790202"   |   | -   | 1 |     |  |
| "5790426"   |   |     |   |     |  |
| "5793438"   |   |     |   |     |  |
| "5793964"   |   |     |   |     |  |
| "5798785" i |   |     |   |     |  |
| "5801747" j |   |     |   |     |  |
| "5801785"   |   |     | ļ |     |  |
| "5801787"   |   |     |   |     |  |
| "5802284" I |   |     |   |     |  |
| "5805154" I |   |     |   |     |  |
|             |   |     |   |     |  |
| "5805167"   |   |     |   |     |  |
| "5805235"   |   |     |   |     |  |
| "5805763"   |   |     | 1 |     |  |
| "5805804"   | ***                                     |     |   |     |  |
| "5808608"   |   |     | ļ |     |  |
| "5808694"   |   |     |   |     |  |
| "5809204"   | -                                       |     |   |     |  |
| "5812205"   |   |     | ļ |     |  |
| "5815145"   | ***                                     |     |   |     |  |
| "5815671"   |   |     | 1 |     |  |
|             |   |     |   |     |  |

| "5818438"         | ***  |  |
|-------------------|--|--|
| "5818439"         |  |  |
| "5818441"         |  |  |
| "5818541"         |  |  |
| "5819019" I       |  |  |
| "5819156" I       |  |  |
| "5819284"         |  |  |
|                   |  |  |
| "5822123"         |  |  |
| "5828402"         |  |  |
| "5828419"         |  |  |
| "5828420"         |  |  |
| "5828839"         |  |  |
| "5828945").PN. OR |  |  |
| ("5830068"        |  |  |
| "5838314"         |  |  |
| "5842010" j       |  |  |
| "5842199"         |  |  |
| "5844620"         |  |  |
| "5848352"         |  |  |
| "5848396"         |  |  |
| "5848397" I       |  |  |
|                   |  |  |
| "5850218"         |  |  |
| "5862292"         |  |  |
| "5867226"         |  |  |
| "5867227"         |  |  |
| "5872588"         |  |  |
| "5874985"         | 1  |  |
| "5880768"         | And the same of th |  |
| "5883677"         |  |  |
| "5886691"         | -  |  |
| "5886731"         |  |  |
| "5892498"         |  |  |
| "5892535" I       | 1  |  |
| "5900905"         |  |  |
| "5903314"         |  |  |
| "5903816"         |  |  |
| "5905497" I       |  |  |
| "5907323"         |  |  |
| "5907366"         |  |  |
|                   |  |  |
| "5914746"         |  |  |
| "5917481"         |  |  |
| "5917830"         |  |  |
| "5918014"         |  |  |
| "5920700"         |  |  |
| "5929849"         |  |  |
| "5929850"         |  |  |
| "5936679"         |  |  |
| "5940073"         |  |  |
| "5940572"         |  |  |
| "5945988"         |  |  |
| "5951642"         |  |  |
| "5959688"         |  |  |
| "5960411"         |  |  |
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| "5974222"         |  |  |

|     | "5977964"   |  |     |  |
|-----|-------------|--|-----|--|
|     | "5986650" I |  |     |  |
|     | "5988078"   |  |     |  |
|     | "5990890"   |  |     |  |
|     | "5990927"   |  |     |  |
|     | "5999912" I |  |     |  |
|     | "6002393" I |  |     |  |
|     |             |  |     |  |
|     | "6002394"   |  |     |  |
|     | "6005562"   |  |     |  |
|     | "6005565"   |  |     |  |
|     | "6005597"   |  |     |  |
|     | "6006257"   |  |     |  |
|     | "6008802"   |  |     |  |
|     | "6011546"   |  |     |  |
|     | "6014137"   |  |     |  |
|     | "6014502"   |  |     |  |
|     | "6016141"   |  |     |  |
|     | "6018372"   |  |     |  |
|     | "6018768" İ |  |     |  |
|     | "6020883" I |  |     |  |
|     | "6020929"   |  |     |  |
|     | "6025837"   |  |     |  |
|     | "6025886" I |  |     |  |
|     | "6028599" I |  |     |  |
|     |             |  |     |  |
|     | "6029045"   |  |     |  |
|     | "6035304"   |  |     |  |
|     | "6047317"   |  |     |  |
|     | "6049824"   |  |     |  |
|     | "6052145"   |  |     |  |
|     | "6061060"   |  |     |  |
|     | "6064376"   |  |     |  |
|     | "6064980"   |  |     |  |
|     | "6067303"   |  |     |  |
|     | "6072460"   |  |     |  |
|     | "6075551"   |  |     |  |
|     | "6075575" i |  |     |  |
|     | "6078348" I |  |     |  |
|     | "6091883" I |  |     |  |
|     | "6098065"   |  |     |  |
|     | "6108042"   |  |     |  |
|     | "6111614" I |  |     |  |
|     | "6112186"   |  |     |  |
|     | "6115057"   |  |     |  |
|     |             |  |     |  |
|     | "6118492"   |  |     |  |
|     | "6119098"   |  |     |  |
|     | "6119101"   |  |     |  |
|     | "6122011"   |  |     |  |
|     | "6125230"   |  |     |  |
|     | "6133909"   |  |     |  |
|     | "6141003"   |  |     |  |
|     | "6147714"   |  |     |  |
|     | "6151059"   |  |     |  |
|     | "6154203"   |  |     |  |
|     | "6157413"   |  |     |  |
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| 1  | "6160545"                | -                                       | 1   |     |  |
|----|--------------------------|---|-----|-----|--|
|    | "6160546" I              |   |     |     |  |
|    | "6160570"                |   |     |     |  |
|    | "6163316"                |   |     |     |  |
|    | "6172677"                |   |     |     |  |
| •  | "6173271"                |   |     |     |  |
|    | "6177931"                |   |     |     |  |
|    | "6178446" I              |   |     |     |  |
|    | "6181335"                |   |     |     |  |
|    | "6186443" I              |   | *** |     |  |
|    | "6191780"                |   |     |     |  |
|    | "6202212"                | *                                       |     |     |  |
|    | "6209129" I              |   |     |     |  |
|    | "6209130" I              | *************************************** |     |     |  |
|    | "6239794" I              | -                                       |     |     |  |
|    | "6240555" I              | *************************************** |     |     |  |
|    | "6253203"                |   | *** |     |  |
|    |                          | *******                                 |     |     |  |
|    | "6256071"  <br>"6256785" | -                                       |     |     |  |
|    | "6256785"  <br>"6257268" | -                                       |     |     |  |
|    |                          | -                                       |     |     |  |
|    | "6262721"                | -                                       |     |     |  |
|    | "6263501"                | -                                       | *** |     |  |
|    | "6263507"                | *                                       |     |     |  |
|    | "6268849"                | -                                       | -   |     |  |
|    | "6275268"                | -                                       |     |     |  |
|    | "6279157"                |   | 1   |     |  |
|    | "6285713"                |   | 1   |     |  |
|    | "6286140"                | -                                       | -   |     |  |
|    | "6289346"                | -                                       | -   |     |  |
|    | "6298482").PN. OR        | -                                       | -   |     |  |
|    | ("6312336"               | -                                       | -   |     |  |
|    | "6320588"                | -                                       | -   |     |  |
|    | "6323911"                |   |     |     |  |
|    | "6331877"                |   |     |     |  |
|    | "6341195"                | -                                       |     |     |  |
|    | "6342926"                | -                                       |     |     |  |
| •  | "6357042"                | -                                       |     |     |  |
|    | "6363525"                |   |     |     |  |
|    | "6381582"                |   |     |     |  |
|    | "6388714"                |   |     |     |  |
|    | "6389593"                |   |     |     |  |
|    | "6392710"                |   |     |     |  |
|    | "6396546"                |   |     |     |  |
|    | "6400407"                |   |     |     |  |
|    | "6405371"                |   |     |     |  |
|    | "6408437"                |   |     |     |  |
|    | "6411308"                |   |     |     |  |
|    | "6412110"                |   | i   |     |  |
|    | "6418556"                | *************************************** |     |     |  |
|    | "6421067"                |   |     |     |  |
|    | "6446261"                | *************************************** |     |     |  |
|    | "6453471"                |   |     |     |  |
|    | "6463585"                | *******                                 |     |     |  |
| \$ | "6469753"                | 3                                       | £   | 1 1 |  |

|     |    | "6470497"   "6477579"   "6486920"   "6498895"   "6515680"   "6539548"   "6564556"   "6564378"   "65644378"   "6600503"   "6600503"   "6600503"   "6600503"   "66051251"   "6622306"   "6631523"   "6651251"   "6665689"   "6637828"   "6738978"   "6738978"   "6738978"   "6738978"   "67389878"   "67389878"   "6739997"   "6739997"   "6739997"   "6739997"   "6739997"   "6739997"   "673968"   "673968"   "673968"   "673968"   "673968"   "673968"   "6738551"   "703792"   "7028326"   "703792"   "7028326"   "7028326"   "703792"   "7028326"   "7028326"   "7028326"   "7028326"   "708576"   "7085799"   "708578" |   |    |     |                     |
|-----|----|---|---|----|-----|---------------------|
| S47 | 1  | ((televsion tv adj4<br>interact\$5) same7<br>(broadcast\$4 near4 buy<br>\$4 shopp\$5) with<br>(speech voice adj4<br>recogn\$7))   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2009/08/13<br>13:15 |
| S48 | 56 | ((television tv adj4<br>interact\$5) same7<br>(broadcast\$4 near4 buy<br>\$4 shopp\$5) with<br>(speech voice adj4<br>recogn\$7))  | US-PGPUB;<br>USPAT;<br>USOCR; FPFS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2009/08/13<br>13:15 |

| S49         | 3   | \$48 and 704/275.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | MOR | OFF | 2009/08/13<br>13:16 |
|-------------|-----|--|---|-----|-----|---------------------|
| S50         | 9   | S48 and "704".clas.  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | OFF | 2009/08/13<br>13:16 |
| <b>S</b> 55 | 10  | (language adj4 model)<br>and (speech voice adj4<br>recogn\$7) and (shopp<br>\$5 with broadcast\$5) | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | OFF | 2009/08/13<br>13:52 |
| S57         | 10  | (language adj4 model)<br>and (shopp\$5 with<br>broadcast\$5)                                       | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | OFF | 2009/08/13<br>13:54 |
| S58         | 1   | (language adj4 model)<br>and (shopp\$5 adj4<br>broadcast\$5)                                       | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | OFF | 2009/08/13<br>13:54 |
| S59         | 335 | (language adj4 model)<br>and (shopp\$5)  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | OFF | 2009/08/13<br>13:55 |
| S60         | 16  | S59 and 704/275.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | OFF | 2009/08/13<br>13:55 |
| S61         | 11  | S59 and 704/270.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | OFF | 2009/08/13<br>13:55 |

| S62 | 1    | S60 and S61       | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2009/08/13<br>13:55 |
|-----|------|-------------------|---|----|-----|---------------------|
| S67 | 1976 | 704/275.cds.      | US-PGPUB;<br>USPAT  | OR | OFF | 2009/08/13<br>17:28 |
| S68 | 332  | 704/278.cds.      | US-PGPUB;<br>USPAT  | OR | OFF | 2009/08/13<br>17:28 |
| S69 | 2129 | 704/270.cds.      | US-PGPUB;<br>USPAT  | OR | OFF | 2009/08/13<br>17:29 |
| S70 | 926  | 704/270.1.cdls.   | US-PGPUB;<br>USPAT  | OR | OFF | 2009/08/13<br>17:29 |
| S71 | 140  | 704/e15.018.ccls. | US-PGPUB;<br>USPAT  | OR | OFF | 2009/08/13<br>17:29 |
| S72 | 84   | 704/e15.019.ccls. | US-PGPUB;<br>USPAT  | OR | OFF | 2009/08/13<br>17:29 |

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